

Amendments to the Claims

Claims 1-49. (Canceled)

50. (Currently amended) A radiological imaging support method comprising the steps of:

detecting a γ -ray emitted from a test object placed on a bed with a γ -ray detecting section placed around said bed and aligned in a longitudinal direction of said bed in a radiological imaging examination period for obtaining a detection signal of a γ -ray required for production of tomographic image information of said test object, said detection being performed by a radiological imaging support provider;

moving an X-ray source in said longitudinal direction of said bed inside said γ -ray detecting section, when an X-ray is detected;

detecting an X-ray passing through said test object in the radiological imaging examination period for detecting the γ -ray;

producing tomographic image data of said test object using a detection signal of the γ -ray and a detection signal of the X-ray; and

providing the produced tomographic image data to a medical institution by said radiological imaging support provider.

51. (Original) The radiological imaging support method according to claim 50, wherein the tomographic image data is provided to said medical institution by said radiological imaging support provider via a communication line.

52. (Original) The radiological imaging support method according to claim 50, wherein the X-ray is detected in a part of said radiological imaging examination period.

53. (Original) The radiological imaging support method according to claim 50, wherein the X-ray for obtaining an X-ray detection signal is detected using radiation detectors for detecting the γ -ray for obtaining a γ -ray detection signal.

54. (New) A radiological imaging support method, comprising the steps of:

detecting a γ -ray emitted from a test object placed on a bed with a γ -ray detecting section placed around said bed and aligned in a longitudinal direction of said bed in a radiological imaging examination period for obtaining a detection signal of a γ -ray required for production of tomographic image information of said test object, said detection being performed by a radiological imaging support provider;

irradiating an X-ray onto said test object through gaps formed on said γ -ray detecting section from outside said γ -ray detecting section in said radiological imaging examination period;

detecting an X-ray passing through said test object;

producing tomographic image data of said test object using a detection signal of the γ -ray and a detection signal of the X-ray; and

providing the produced tomographic image data to a medical institution by said radiological imaging support provider.

55. (New) The radiological imaging support method according to claim 54, wherein the step of providing the tomographic image data to a medical institution

comprises a step of transmitting said tomographic image data through communication lines.

56. (New) The radiological imaging support method according to claim 54, wherein the step of detecting the X-ray is performed in a part of said radiological imaging examination period.

57. (New) The radiological imaging support method according to claim 54, wherein the step of detecting the X-ray to obtain a detection signal of the X-ray is performed by using a radiation detector used for detecting the γ -ray to obtain a detection signal of the γ -ray.